



Atty. Docket No.: 500.40501X00  
Serial No.: 09/931,250

A<sup>1</sup> driver circuit are connected through a second long-distance wiring and a speed-increasing circuit.

A<sup>2</sup> 6. (Amended) The semiconductor integrated circuit device as claimed in Claim 1, wherein a plurality of buffer circuits are inserted at the input side of the second long-distance wiring.

Please add new claims 10-15 as follows:

A<sup>3</sup>  
Sub C3  
--10. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

wherein a node arranged in a vicinity of an input terminal of the gate circuit connected to an end of the first long-distance wiring and an input terminal of the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein the speed-increasing circuit includes an NMOS transistor and a buffer circuit is inserted at an input side of the second long-distance wiring.--

--11. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

wherein a node arranged in a vicinity of an input terminal of the gate

cont  
Sub  
C3

circuit connected to an end of the first long-distance wiring and an input terminal of the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein the speed-increasing circuit includes a CMOS inverter having a PMOS transistor and an NMOS transistor.--

--12. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

A3  
cont.

wherein a node arranged in a vicinity of an input terminal of the gate circuit connected to an end of the first long-distance wiring and an input terminal of the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein a plurality of speed-increasing circuits are additionally inserted between an intermediate position of the second long-distance wiring and the vicinity of the input terminal of the gate circuit connected to a position corresponding to the intermediate position.--

--13. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

wherein a node arranged in a vicinity of an input terminal of the gate circuit connected to an end of the first long-distance wiring and an input terminal of

the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein a plurality of buffer circuits are inserted at the input side of the second long-distance wiring.--

--14. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

wherein a node arranged in a vicinity of an input terminal of the gate circuit connected to an end of the first long-distance wiring and an input terminal of the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein a buffer circuit is inserted at the input side of the second long-distance wiring, and a buffer circuit is inserted at the output side of the second long-distance wiring.--

--15. A semiconductor integrated circuit device comprising a driver circuit, a first long-distance wiring connected to the driver circuit, and a plurality of gate circuits connected over an entire length of the first long-distance wiring, so that an input signal VIN is received by the plurality of gate circuits via the driver circuit and the first long-distance wiring,

wherein a node arranged in a vicinity of an input terminal of the gate circuit connected to an end of the first long-distance wiring and an input terminal of the driver circuit are connected through a second long-distance wiring and a speed-increasing circuit, wherein the input signal VIN is realized by a clock input signal

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VCK; the driver circuit is realized by a clock driver; and the gate circuits are realized by flip-flop circuits.--

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